

4PSWT OPERATIONS GUIDE



4PSWT 4 POSITION SEQUENCING, ALARMING, HOMING, & BYPASSING SWITCHER

AVE

INTRODUCTION

The 4PSWT is a 4 position sequencing, alarming, bypassing, homing, and bridging switcher. The front panel toggle switch allows for automatic sequencing, homing, and by-passing of the 4 video inputs. Sequencing is controlled by a front panel recessed dwell pot. This pot is recessed to eliminate accidental adjustment. The dwell adjustment varies from approximately .2 second to 60 seconds.

OPERATION

The 4 toggle switches control homing, sequencing and by-passing. The LEDs above each toggle switch give a visual indication of the current camera. Homing any camera will stop the sequence mode and display the selected camera. If no homing switch is used, the switcher sequences through all cameras selected for sequencing in the loop. When a toggle switch is in the "BYPASS" position, the switcher will drop this camera from the sequence or *bypass* it. When the toggle switch is in the "SEQUENCE" position this camera is included in the sequence.

DWELL

The dwell or time that each camera appears on screen can be adjusted by the recessed front panel control. This can be varied from approximately .2 second to 60 seconds. Use a small flat bladed screwdriver to adjust this control. Turning this pot to the right increases the dwell time.



ALARMING

The alarming feature is tied to camera position 4 of the 4PSWT. The alarm input is located on the rear of the switcher. This compression type connector allows for the connection of an alarm switch or other alarming device. To open the cage clamp, insert a small, flat bladed screwdriver in the small slot below the clamp. When inserted, push the screwdriver slightly downwards to open the clamp. Now insert the wire and remove the screwdriver blade. When an alarm is connected, the switcher will always "HOME" to camera four on an alarm. Homing to camera four will occur on an alarm regardless

of the switch positions of the other cameras. If camera four is in the bypass mode, it will still home upon an alarm and return to the sequence or other selected modes upon the completion of the alarm. If cameras 1, 2, and 3 are sequencing, and camera 4 is in the bypass mode, upon an alarm the switcher will home to camera 4 for the alarm duration; then, when the alarm stops, it will continue the sequence from where it was when the alarm was triggered.

NOTE: Upon powering up the 4PSWT, the switcher waits one dwell time to initialize. This may take from 1 second to 1 minute depending on the present dwell time setting.

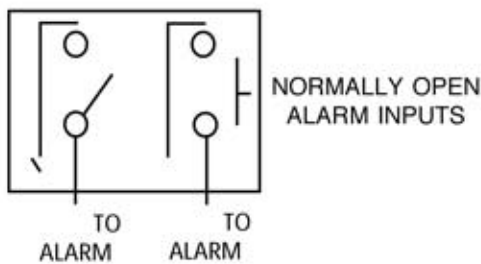
POWER

The switcher is powered by the included wall transformer. The unit can be powered from 9 to 12VDC. The center post of the DC Coax is POSITIVE.

CONNECTIONS

The VIDEO inputs are BNC type connectors. The inputs are 75 ohm terminated and require 1V P-P. The output is 1V P-P and will drive a 75 ohm load.

Connect the video cameras to the switcher in the desired order. Connect Video out to your VCR or Monitor. Plug in the DC Coax connector. The switcher is now operational. Select the desired front panel controls and adjust the dwell.



Internal Jumper Settings:
JP2=open JP3=shorted

SPECIFICATIONS

Video Inputs: 4 BNC 1V P-P Terminated @ 75 ohm

Video Inputs are toggle switch selectable.

Toggle positions: Bypass, Sequence & Home

Video Output: 1 BNC 1V P-P into a Terminated @ 75ohm

Dwell adjust: Front panel recessed pot

Dwell Time: From approximately .2 second to 1 minute

Alarm Input: Compression Connector on rear panel

NO (Normally Open), Hi-Z, Dry Contact

Power: 9-12VDC @ 100mA

Supplied accessories:

UL approved 9-12VDC Wall Transformer @ 300mA

Camera Position LED indicators (4) RED



CAUTION!
RISK OF ELECTRICAL SHOCK!
DO NOT OPEN!



CAUTION! TO PREVENT ELECTRIC SHOCK, DO NOT REMOVE COVER. NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.

WARNING: TO PREVENT FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE!

WARNING!

THIS EQUIPMENT GENERATES, USES, AND CAN RADIATE RADIO FREQUENCY AND IF NOT INSTALLED AND USED IN ACCORDANCE WITH THE INSTRUCTIONS MANUAL, MAY CAUSE INTERFERENCE TO RADIO COMMUNICATIONS. IT HAS BEEN TESTED AND FOUND TO COMPLY WITH THE LIMITS FOR A CLASS A COMPUTING DEVICE PURSUANT TO SUBPART J OF PART 15 FCC RULES, WHICH ARE DESIGNED TO PROVIDE REASONABLE PROTECTION AGAINST SUCH INTERFERENCE WHEN OPERATED IN A COMMERCIAL ENVIRONMENT.

OPERATION OF THIS EQUIPMENT IN A RESIDENTIAL AREA IS LIKELY TO CAUSE INTERFERENCE IN WHICH CASE THE USER AT HIS OWN EXPENSE WILL BE REQUIRED TO TAKE WHATEVER MEASURES MAY BE REQUIRED TO CORRECT THE INTERFERENCE.